

# EUROPEAN PATENT OFFICE

## Patent Abstracts of Japan

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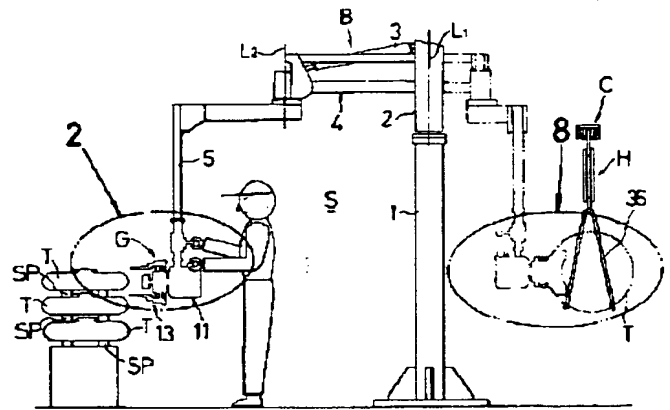
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APPLICANT : HONDA MOTOR CO LTD;

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TITLE : TIRE TRANSFER DEVICE



ABSTRACT : PURPOSE: To save labor in the work of changing tires, stacked in the horizontal attitude, into the vertical attitude to transfer them to the conveyor hanger of an overhead conveyor.

CONSTITUTION: A clamping device G provided with a body part 11 and a clamping part 13 is provided at the tip of a balancer B for generating lifting force corresponding to the weight of a tire T so as to support the tire T in the weightless state. In order to change the clamped tire T from the horizontal attitude to the vertical attitude, the clamping part 13 can be rotate by 90° in relation to the body part 11 by an air motor. The clamping part 13 is provided with a pair of clamping members opened/closed by an air cylinder so as to grip the side wall part of the tire T.

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